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Search Results -

Terms	Documents
pigment with arylene	381

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Refine Search: pigment and arylene and polymer Clear

Search History

Today's Date: 7/25/2001

DB Name	Query	Hit Count	Set Name
USPT,PGPB,JPAB,EPAB,DWPI	pigment with arylene	381	L4
USPT,PGPB,JPAB,EPAB,DWPI	pigment same steric group same amphiphilic	0	L3
USPT,PGPB,JPAB,EPAB,DWPI	pigment adj5 steric group adj5 amphiphilic	0	L2
USPT	pigment adj5 steric group adj5 amphiphilic	0	L1

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Uploading 957a.str

L1 STRUCTURE UPLOADED

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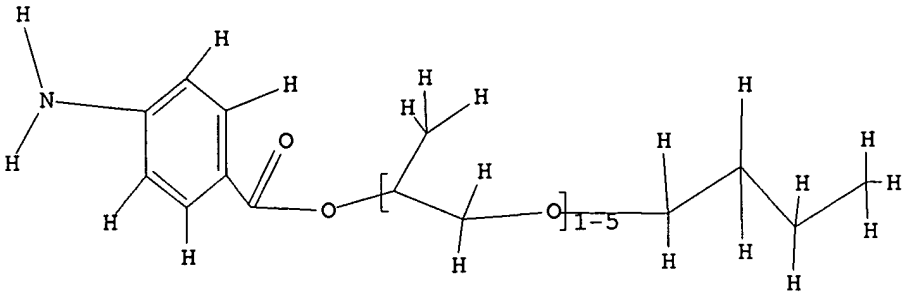
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 14:30:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 12301 TO ITERATE

100.0% PROCESSED 12301 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.05

L2 0 SEA SSS FUL L1

L3 0 L2

=> s pigment and polymer and glycol

104415 PIGMENT
776059 POLYMER
258240 GLYCOL
L4 1587 PIGMENT AND POLYMER AND GLYCOL

=> s pigment and polymer and glycol and arylene

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=> s pigment and steric and amphiphilic

        104415 PIGMENT
         57532 STERIC
         10230 AMPHIPHILIC
L6           1 PIGMENT AND STERIC AND AMPHIPHILIC

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L6   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2001 ACS
ACCESSION NUMBER:        2001:265513  CAPLUS
DOCUMENT NUMBER:         134:297228
TITLE:                   Modified pigments having steric and
                       amphiphilic groups
INVENTOR(S):             Belmont, James A.
PATENT ASSIGNEE(S):      Cabot Corporation, USA
SOURCE:                  PCT Int. Appl., 37 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
     WO 2001025340      A1   20010412       WO 2000-US26957  20000929
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
             ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
             LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,
             SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA,
             ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.:                    US 1999-157284   P  19991001
AB   Various modified pigment products are described which are
     preferably capable of being dispersed in a variety of materials such as
     coatings, inks, toners, films, plastics, polymers, elastomers, and the
     like.  The modified pigments are pigments having attached (a) at least
one
     steric group and (b) at least one org. ionic group and at least
     one amphiphilic counterion, wherein the amphiphilic
     counterion has a charge opposite to that of the org. ionic group.  In
     addn., inks, coatings, toners, films, plastics, polymers, elastomers, and
     the like contg. the modified pigment products of the present
     invention are described.  Methods of making the modified pigment
     products are also described.  Thus, mixing 600 g carbon black (surface
     area 200 m2/g; DBP absorption 117 mL/100 g) with 31.5 g sulfanilic acid,
     adding a soln. of 6.2 g of NaNO2 in 600 g of water, mixing for about 10
     min, and drying in an oven at 70.degree. gave a carbon black bearing 0.22
     mmol C6H4SO3Na groups, 20 g of which was combined with 26.9 g
     H2NC6H4CO2(C3H6O)nC4H9 and 2.3 g methanesulfonic acid in a mixt. of 50 mL
     water and 150 mL 2-butanone, stirred at room temp. for 1 h and at
     60.degree. for 1 h, mixed with a mixt. of 4-CH3CH(NH2)C6H4(OC3H6)30OH
7.5,
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methanesulfonic acid 0.38, water 40 and 2-butanone 40 g, stirred for 1 h and worked up to give a carbon black bearing polymeric group and **amphiphilic** salt of C6H4SO3- group.

REFERENCE COUNT: 9

REFERENCE(S):

(1) Adams, C; US 5698016 A 1997 CAPLUS
(2) Adams, C; US 5895522 A 1999 CAPLUS
(3) Cabot Corp; WO 9938921 A 1999 CAPLUS
(4) Cabot Corp; WO 0052102 A 2000 CAPLUS
(5) Cabot Corp; WO 0053681 A 2000 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

104415 PIGME[redacted]
776059 POLYM[redacted]
258240 GLYCOL
7484 ARYLENE
L5 3 PIGMENT AND POLYMER AND GLYCOL AND ARYLENE

=> d 1-3 ibib abs hitstr

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:768981 CAPLUS
DOCUMENT NUMBER: 133:342441
TITLE: Toner compositions with charge enhancing resins
INVENTOR(S): Sacripante, Guerino G.; Veregin, Richard P. N.
PATENT ASSIGNEE(S): Xerox Corporation, USA
SOURCE: U.S., 12 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6140003	A	20001031	US 1994-221595	19940401

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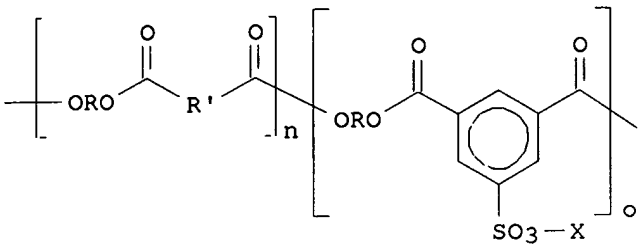

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AB A toner compn. comprised of resin particles, **pigment** and a charge enhancing additive comprised of a **polymer** or the resin particles with a charge enhancing moiety chem. attached thereto, and which charge additive is (I) where X is an alk., an alk. earth metal, a metal, or the NH4+ cation H4N+, R4 N+ wherein R is an alkyl or arylalkyl group; R is alkylene, cyclohexyl, bisphenol, bis(alkoxy), or oxyalkylene; and R' is an alkylene, an **arylene**, cycloalkylene group.
REFERENCE COUNT: 12
REFERENCE(S): (1) Alexandrovich; US 4837393 1989 CAPLUS
(2) Alexandrovich; US 4837394 1989 CAPLUS
(3) Anderson; US 4837391 1989 CAPLUS
(4) Anderson; US 4837392 1989 CAPLUS
(5) Ciccarelli; US 4397935 1983 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1987:34779 CAPLUS
DOCUMENT NUMBER: 106:34779
TITLE: Poly(**arylene** sulfide) coating compositions
INVENTOR(S): Chen-Cheu Yu, Michael; Wright, Roy Franklin
PATENT ASSIGNEE(S): Phillips Petroleum Co. , USA
SOURCE: Eur. Pat. Appl., 21 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 189927	A2	19860806	EP 1986-101239	19860130
EP 189927	A3	19870422		
EP 189927	B1	19910724		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
CA 1270985	A1	19900626	CA 1985-497019	19851206
JP 61181834	A2	19860814	JP 1986-15565	19860127
JP 2505740	B2	19960612		
AT 65525	E	19910815	AT 1986-101239	19860130
US 4711796	A	19871208	US 1986-880267	19860630
PRIORITY APPLN. INFO.:			US 1985-696962	19850131
			EP 1986-101239	19860130

AB Coatings contg. powd. polythioarylenes (75.99% p-microstructure) and 1-40% solid corrosion inhibitor, **pigment**, surfactant, filler, or fluidization additives have smooth surfaces and reduced cure temp. Thus, 1 mol 58.18% aq. NaSH was condensed with 0.98 mol p-dichlorobenzene and 0.05 mol o-dichlorobenzene in N-methyl-2-pyrrolidone in 1.15 mol NaOH at 235-265.degree. and washed with H2O to give a **polymer** contg. 0.39% ash. Three layers of a coating of the **polymer** 18, TiO2 6, and propylene **glycol** 56 parts were applied to steel and cured at 300.degree. for 30 min each then bent 180.degree. over a 3/16 in. mandrel giving no cracking or microcracks even after annealing at 230.degree. for 2 h.

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1962:67656 CAPLUS
DOCUMENT NUMBER: 56:67656
ORIGINAL REFERENCE NO.: 56:13106b-h
TITLE: Polyurethan foams containing inorganic fillers
INVENTOR(S): Ferrigno, Thomas H.
PATENT ASSIGNEE(S): Minerals & Chemicals Philipp Corp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3024209		19620306	US	19590527

AB Opencelled polyurethan foams which are flexible or semirigid are improved by adding inorg. fillers coated with a H2O-sol. **polymer**. Addn. of these fillers without coating causes a redn. in the vol. of the foam and a loss of mech. strength. Preferred fillers are hydrophilic inorg. pigments of the nonswelling type, such as kaolin, attapulgite (I), and subbentonites. The fillers should be of such a size that 99% passes through 325-mesh and should contain <1% free moisture. Coating polymers used are those prepd. by the polymerization of at least 1 monoolefinic compd. which has a linear continuous C chain along which are distributed numerous side chains contg. hydrophilic groups. Such polymers are poly(vinylpyrrolidinone) (II), polyacrylamide, poly(vinylpyridine), and copolymers of a vinyl alc., vinyl ester, and a copolymerizable monomer, such as acrylonitrile, vinyl chloride, or methacrylic acid. These polymers (130%) should be used to coat the **pigment**; the amt. depends on the surface area of the **pigment**. Approx. 5-40% by wt. of the coated **pigment** may be added to the polyurethan prepolymer. The prepolymer is prepd. by treating long-chain polyols and polyisocyanates; the viscosity should be 500-5000 cp. Typical prepolymers are made from **arylene** diisocyanates, such as tolyene diisocyanate (III), and polyalkylene glycols made from alkylene diamines

with alkylene ethers, such as propylene or ethylene oxide, III with satd. polyesters cont[redacted] terminal OH groups; III with f[redacted]y acid triglycerides having a OH no. of at least 49. Enough isocyanate is provided to react with all functional groups in the polyol plus the H2O, when an aq. foaming system is used. Certain additives, such as a tertiary amine with an org. tin product as catalyst, external plasticizers, surfactants, and coloring agents may be mixed with the prepolymer. Thus, a prepolymer was made by mixing 2200 parts of a polypropylene **glycol** having a mol. wt. of 2000 and a OH no. of 56 with 200.2 parts of III under N. The temp. increased to 158.degree.F. after 1 hr. and was maintained for 2.75 hrs., at which time the viscosity was 1500 cp. at 25.degree.. Then 539 parts of III was added to bring the final NCO content of the prepolymer to 9%. The coated filler was prepd. by adding an aq. soln. of I to II in an amt. to provide 5 parts of I to 100 parts of II. This mixt. was dried to a free-moisture content of <1% and ground to -325 mesh. The prepolymer 100, filler 10, poly(dimethylsiloxane) 0.5, N-methylmorpholine 2.0, and H2O 2.3 parts were agitated vigorously for 10 min. and poured into a foam mold. All foams were postcured for 4 hrs. at 176.degree.F. These filled foams were compared with the unfilled foams and foams extended with uncoated fillers. An increase in the total vol. of foam and an improvement in resiliency as noted by the 50% deflection test and % compression-set test was found in those foams extended with coated fillers.